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NOTES AND NEWS.

Dr. W. V. N. GARRETSON has been appointed assistant professor of mathematics in Rutgers College.

Dr. R. L. CHARLES has been promoted to an associate professorship of mathematics in Lehigh University.

Assistant professor J. D. BOND, of the mathematics department of the Agricultural and Mechanical College of Texas, has been granted a year's leave of absence and will study at the University of Michigan where he will hold a university fellowship.

Mr. E. T. BROWNE has accepted a fellowship in mathematics at the University of Chicago for the current academic year.

Mr. WARREN WEAVER has returned to Throop College, Pasadena, Cal., after spending the past year as instructor in mathematics at the University of Wisconsin.

Lieutenant FREDRICK WOOD has returned from service overseas to the University of Wisconsin as instructor in mathematics.

Lieutenant F. L. BROWN, of the meteorological service, has been appointed instructor in mathematics at Northwestern University.

Dr. ARNOLD DRESDEN has resumed duties as assistant professor of mathematics at the University of Wisconsin, after a year of service with the Red Cross in France.

During the war Dr. E. J. MOULTON, associate professor of mathematics at Northwestern University, had charge of the Dearborn Observatory and the astronomy department of the University, in addition to his regular duties in the mathematics department.

Dr. C. R. DINES, formerly assistant professor of mathematics at Dartmouth College, has been in the Federal Reserve Bank of Chicago for the past year.

At Dartmouth College, Professor J. W. YOUNG is on leave of absence, for the current academic year. He is residing at Hanover, N. H., working on the National Committee on Mathematical Requirements, of which he is chairman and treasurer. Professor R. D. BEETLE has been appointed chairman of the mathematics department, in the absence of Professor YOUNG. Assistant Pro-

fessor F. M. MORGAN has been appointed Freshman Class Officer of the College. Professor L. L. SILVERMAN has resigned to enter a banking house in Boston.

At Northwestern University, Dr. H. B. CURTIS, formerly of Barnard College, has accepted a position as instructor in mathematics.

Miss M. E. DANIELLS has been promoted from an instructorship to an assistant professorship of mathematics at Iowa State College.

Professor F. F. DECKER, of the department of mathematics of Syracuse University, has been made director of the evening session of that institution.

M. E. GRABER, professor of mathematics at Heidelberg University, has been appointed professor of physics at Morningside College, Sioux City, Iowa.

Dr. T. H. GRONWALL has been appointed mathematics and dynamics expert on the technical staff of the ordnance office, of the War Department, Washington. The University of Texas has granted leave of absence to Professor A. A. BENNETT to carry on work in this same office during 1919–20.

E. V. HUNTINGTON, associate professor of mathematics in Harvard University, has been promoted to a full professorship of mechanics. His teaching activities will be divided as heretofore between the Division of Mathematics and the Division of Engineering.

Professor LAURENCE HADLEY of Earlham College has resigned to accept a position as associate professor of mathematics at Purdue University.

Mr. M. F. JOHNSON, late of Michigan Agricultural College, has been appointed instructor of mathematics at the University of Michigan.

Dr. E. A. KIRCHER has resigned his appointment as instructor of mathematics at Yale University to enter business.

Professor G. H. LING, dean of the Faculty of Arts of the University of Saskatchewan, has been appointed acting-president of the University during a three months vacation of the president.

Assistant Professor C. N. MILLS, of South Dakota State College, has been elected professor of mathematics at Heidelberg University, Tiffin, Ohio.

F. W. PARSONS of Ohio Northern University has been made assistant professor of mathematics and engineering in Whittier College.

Dr. T. M. PUTNAM, professor of mathematics and dean of the undergraduate division in the University of California, has been appointed acting dean of the college of letters and science in the place of the late Professor H. M. STEPHENS.

Assistant Professor W. W. RANKIN, of the University of North Carolina, has been granted leave of absence to serve for the year 1919–20 as instructor in mathematics at Columbia University.

At the University of Wisconsin Dr. EUGENE TAYLOR has been appointed assistant professor of mathematics and Miss MARY A. COLPITTS instructor in mathematics.

F. C. TOUTON, formerly of the St. Joseph (Mo.) Junior College, received the degree of doctor of philosophy last June from Columbia University and has been appointed supervisor of high schools for the state of Wisconsin.

Assistant Professor M. O. TRIPP, of the University of Maine, has been promoted to an associate professorship of mathematics.

Dr. E. S. ALLEN, of the University of Michigan, has been appointed assistant professor of mathematics at West Virginia University.

Dr HENRY BLUMBERG, recently associate in mathematics at the University of Illinois, has been promoted to an assistant professorship of mathematics.

Mr. D. C. KAZARINOFF, recently of Carleton College, has been appointed instructor in Mathematics at the University of Michigan.

Mr. A. D. CAMPBELL remained as instructor in mathematics at Cornell University instead of accepting the appointment to Yale University announced in the MONTHLY for June.

V. J. BOUSSINESQ, professor of calculus of probabilities and mathematical physics at the University of Paris, has retired as honorary professor after twenty-three years of service in the university. He was born in 1842.

A. M. G. FLOQUET, professor of mathematical analysis at the University of Nancy has been retired as honorary professor. He was born in 1849.

Professor H. S. WHITE, of Vassar College, spent the summer at the Bureau of Standards, Washington.

Dr. J. W. GLOVER, professor of mathematics and insurance at the University of Michigan, spent the month of September in New York City, serving as Acting President of the Teachers Insurance and Annuity Association of America. Professor Glover is a member of the Board of trustees and acted for Dr. H. S. PRITCHETT, who is spending the summer in the West.

The *Bulletin of the American Mathematical Society* announces that the Royal Institute of Venice has awarded the Querini-Stampalia prize to Professor G. D. BIRKHOFF, of Harvard University, for his papers "The restricted problem of three bodies" (*Rendiconti del Circolo Matematico di Palermo*, volume 39, 1915), and "Dynamical systems with two degrees of Freedom" (*Transactions of the American Mathematical Society*, volume 18, 1917). The prize had been offered for some important advances in the theory of periodic solutions of differential equations. Its value is 3,000 crowns.

During the past summer Assistant Professor LOUISA M. WEBSTER of the department of mathematics of Hunter College conducted a summer high school for girls. She originated this self-supporting school eleven years ago and has served throughout as its director. Instruction was given this summer to nearly fourteen hundred girls. The work is so coordinated with that of the New York City high schools that these have all agreed to accept its ratings. A similar school for boys is projected for next year.

At the University of Minnesota, a committee of twenty members of the Faculty of the Arts College was organized last year, with Professor R. M. BARTON of the mathematics department as chairman, for the purpose of meeting all students in personal conferences. These conferences serve to evince a healthy interest in the scholarship of the pupils, provide for their registration, and, particularly for the freshmen and sophomores, have a distinctly moral bearing. The results of some forty-three hundred conferences during the second semester were found gratifying; the students were appreciative of this personal attention and were through this agency able largely to clarify the notions of the purposes of their university study. This is a new manifestation of the increasing tendency of instructors over the country to meet students outside of the classroom in an advisory capacity, a plan that has been found of great value for departmental purposes by the staff of the department of mathematics in a few institutions.

Degrees of Doctor of Philosophy in mathematics were conferred in the academic year 1918–1919 as follows, with theses as indicated:

UNIVERSITY OF CHICAGO: GEORGE HOFFMAN CRESSE: "On the class number of binary quadratic forms."

HARVARD UNIVERSITY: LOUIS BRAND: "I. On linear equations with an infinite number of variables. II. On infinite systems of linear integral equations. III. Flexual deflections and statistically indeterminate beams." CLARENCE NEWTON REYNOLDS: "On the zeros of solutions of linear differential equations." CHAN-CHAN TSOO: "The geometry of a Non-Euclidean line-sphere transformation."

The degree of Doctor of Philosophy in education was conferred, at Columbia University, upon F. C. TOUTON, whose dissertation was on, "The solution of an original exercise in geometry."

The twenty-sixth summer meeting of the American Mathematical Society was held at the University of Michigan, September 2–4, in conjunction with meetings of the American Astronomical Society and the Mathematical Association of America. Eighty-one members were in attendance, the largest number on record. A report of a joint session of the three organizations on Thursday afternoon and of the joint dinner is given elsewhere in this number of the MONTHLY. Thirty-three papers were presented at the other session, titles and abstracts of which are given in the November number of the *Bulletin of the American Mathematical Society*. Professors BEMAN, CURTISS, SNYDER and BLISS presided at the various sessions and Professors KARPINSKI and E. J. MOULTON acted as secretary.